

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/GB 00/02497

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/62 A61K38/17 A61K48/00 C12N5/10 C07K14/47  
C07K14/705 C07K14/72 C07K14/395

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, MEDLINE, CHEM ABS Data, EMBASE, SCISEARCH, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	STRUHL K: "histone acetylation and transcriptional regulatory mechanisms" GENES AND DEVELOPMENT, vol. 12, 1998, pages 599-606, XP002157338 the whole document	1-52
Y	GRIGNANI FRANCESCO ET AL: "Fusion proteins of the retinoic acid receptor-alpha recruit histone deacetylase in promyelocytic leukaemia." NATURE (LONDON), vol. 391, no. 6669, 19 February 1998 (1998-02-19), pages 815-817, XP002157339 ISSN: 0028-0836 cited in the application the whole document	1-52
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

16 January 2001

Date of mailing of the international search report

31/01/2001

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

Intern 1st Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	BEERLI ROGER R ET AL: "Toward controlling gene expression at will: Specific regulation of the erbB-2/HER-2 promoter by using polydactyl zinc finger proteins constructed from modular building blocks." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 95, no. 25, December 1998 (1998-12), pages 14628-14633, XP002924795 Dec., 1998 ISSN: 0027-8424 abstract	1-52
Y	WO 98 54311 A (BARBAS CARLOS F III ;GOTTESFELD JOEL M (US); SCRIPPS RESEARCH INST) 3 December 1998 (1998-12-03) abstract	1-52
A	WO 99 02683 A (GAGE FRED H ;SUHR STEVEN T (US); SALK INST FOR BIOLOGICAL STUDI (U) 21 January 1999 (1999-01-21) page 15, line 32 -page 19, line 33	12,13
X	WO 99 23885 A (LIN RICHARD J ;NAGY LASZLO (US); EVANS ROLAND M (US); SALK INST FO) 20 May 1999 (1999-05-20) claims 9-13	27-31, 43-49, 51,52
X	HSIEH JAMES J -D ET AL: "CIR, a corepressor linking the DNA binding factor CBF1 to the histone deacetylase complex." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES, vol. 96, no. 1, 5 January 1999 (1999-01-05), pages 23-28, XP002157340 Jan. 5, 1999 ISSN: 0027-8424 abstract page 27, left-hand column, paragraph 3 -page 28, left-hand column, paragraph 2	27-31, 43-49, 51,52
E	WO 00 41566 A (EISENBERG STEPHEN P ;CASE CASEY CHRISTOPHER (US); COX GEORGE NORBE) 20 July 2000 (2000-07-20) abstract page 6, line 6 -page 9, line 5 page 33, line 6 - line 31; claims 1,2,5-7,16	1-11, 14-52
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>CHIEN PEI-YU ET AL: "A fusion protein of the estrogen receptor (ER) and nuclear receptor corepressor (NCoR) strongly inhibits estrogen-dependent responses in breast cancer cells."</p> <p>MOLECULAR ENDOCRINOLOGY, vol. 13, no. 12, December 1999 (1999-12), pages 2122-2136, XP000978743 ISSN: 0888-8809 the whole document</p> <p>-----</p>	1-52

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

Continuation of Box I.2

Claims Nos.: 50-52 (partially)

Present claims 50-52 relate to a compound/method defined by reference to a desirable characteristic or property, namely suppress the activity of a selected gene

The claims cover all compounds/methods having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds/methods. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the compounds/methods mentioned in the description.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9854311 A	03-12-1998	US 6140466 A AU 7800398 A EP 0988377 A	31-10-2000 30-12-1998 29-03-2000
WO 9902683 A	21-01-1999	AU 8389598 A EP 0998560 A	08-02-1999 10-05-2000
WO 9923885 A	20-05-1999	AU 1395999 A EP 1037533 A	31-05-1999 27-09-2000
WO 0041566 A	20-07-2000	AU 2847000 A EP 1061805 A GB 2348424 A	01-08-2000 27-12-2000 04-10-2000